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# TECHNICAL MEMORANDUM


Utah Coal Regulatory Program

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June 25, 2013

TO: Internal File

THRU: Priscilla Burton, Lead 

FROM: Joe Helfrich, Biology, Landuse, Cultural Resources 

RE: Modification of Treatment Plan, Alton Coal Development LLC, Coal Hollow Mine, C/025/0005, Task ID #4364

## SUMMARY:

On May 31st, the Division received an amendment to change the current Cultural Resource treatment plan, proposing level one mitigation for the private portion of site # 42KA2041 that cannot be avoided. This memo will include a review of that information.

**TECHNICAL MEMO**

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**TECHNICAL ANALYSIS:**

**ENVIRONMENTAL RESOURCE INFORMATION**

Regulatory Reference: Pub. L 95-87 Sections 507(b), 508(a), and 516(b); 30 CFR 783., et. al.

**HISTORIC AND ARCHEOLOGICAL RESOURCE INFORMATION**

Regulatory Reference: 30 CFR 783.12; R645-301-411.

**Analysis:**

A small portion of site 42AK2042 that is located on private land will be adversely affected by ACD's surface mining activities. Figure 1 as depicted in the treatment plan. ACD has proposed to implement a level 1 data recovery treatment plan as an appropriate strategy for mitigating the adverse effect. Depending on the outcome of level one excavation it may be determined that further work is necessary through consultation with SHPO, ACD and possibly PLPCO. Components of the plan include the following:

Site Formation Processes, Chronology, Site Function, Subsistence, Technology and Settlement Patterns and Mobility. Each of which contain questions intended to provide basic information about the site. Data recovery methods used during fieldwork and laboratory analysis include: Surface Collection and Site Mapping, Excavation, Collection of Quantitative and Qualitative Data on Lithic Artifacts, Ground Stone Artifacts, Ceramic Artifacts, Faunal Remains and Ancillary Studies.

**Findings:**

The information is adequate to meet the requirements of this section of the regulations.

**RECOMMENDATIONS:**

The treatment plan is recommended for approval pending SHPO concurrence.